

ISO  
TC184/SC4

**ISO SC4/WG10 STEP Modularization**  
**PWI Status Report**

**London WG10 Workshop**

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**Agenda**

- **Accomplishments since Melbourne**
- **Project deliverables status update**

## **Accomplishments Since Melbourne**

- **Supporting nominated modules teams**
  - Shape appearance and layers suite of nine modules passed their DTS ballot!
  - Minimal support provided to PDM/EACM modules teams

## **Accomplishments Since Melbourne(2)**

- **STEP Modularization Strategy**
  - Revision to STEP/SC4 Industrial Data Framework delivered
  - NIST Modules Repository meetings/calls
    - See Steve Chilcott's presentation later in the agenda
  - First draft of Sample Modular AP
    - to be reviewed this week
  - First draft of “modularized AIC”
    - to be reviewed this week
  - Continued EXPRESS/XML participation in support of modules repository/catalogue
    - participated in P28 London workshop

## **Project Plan Status**

**As of September 19, 1999**

## **Status of Deliverables(1)**

- **AM Development Guidelines**
  - No change since Lillehammer
  - Some updates based on DTS should be made
- **AM Validation Guidelines**
  - Initial IDEF activity model developed September 1998
- **AM/AP Integration/Harmonization Guidelines**
  - Now “Application Module Development Points within the Application Protocol Development Process”
- ***AM Development Recommended Practices***
  - New document starting from content in Framework

## **Status of Deliverables(2)**

- **Guidelines for the content of application protocols using application modules**
  - No update
- **Overview Paper and Presentation**
  - Papers and presentations available, half day in Bordeaux
- **Framework for AP/AM Categorization**
  - SC4 Industrial Data Framework
    - Published revision for review/overview in Bordeaux
  - New “Recommended Practices for Modules Developers”
    - No first draft yet
- **At least 2 example AM suites from different industries**
  - PDES, Inc., EACM, AP219, AP203 E2, PLCS, System Engineering and Test Properties are potentials

## **Status of Deliverables(3)**

- **Example AP using AM**
  - Draft of Product Structures review this week
  - Draft of geometry AIC converted to a module review this week
  - No connection between these as “properties” is not ready, PS may be our sample AP!
- **AM Catalogue example/demonstrator**
  - Still separate demos of repository, catalogue, UoF library
  - See NIST Modules Repository presentation
- **Proposal for SC4 support processes**
  - Technical Specification ballot content/process agreed
  - “Foundation modules” belong to WG12, more application oriented belong to WG3 or JWG9
  - Need a Harmonization Team - no political power, but technical contribution!
  - This is a major topic for this workshop

## **Status of Deliverables(4)**

- ***Draft Part 1 amendment***
  - No owner identified
- **Impact paper Integrated and Common Resources**
  - First draft on team site
- **Impact paper Implementation Methods**
  - First draft on team site
  - if EXPRESS amendment is approved, we need to amend these
  - Part 21 Edition 2 DIS out for ballot
- **Impact paper EXPRESS-X**
  - First draft on team site
- **Impact paper EXPRESS-2**
  - EXPRESS modularization amendment DIS technically ready

## **Status of Deliverables(5)**

- **Impact paper WG10 Data Architecture PWI**
  - brainstorming at London workshop
- **Impact paper on Vendors**
  - first draft on team site
- **Impact paper on Users**
  - First draft on team site

## **PWI Plans(1)**

- **Work this week on the two major barriers to SC4 acceptance of modularization**
  - Sample AP
  - Harmonization team, process and infrastructure
- **First draft of remaining impact papers**
- **Supporting NIST Modules Repository**
- **First draft of Guidelines for the Content of Application Extensions and extended APs**
- **P21/P22 updates based on EXPRESS amendment for modularization**
  - see idea on how to avoid some of this work

## **PWI Plans(2)**

- **Probably need another “final” STEP Modularization workshop after Bordeaux**
- **Probably need a workshop supporting modularization teams**
  - SC4 wide? Specific to PS? PDM? Others?
- **Goal of completion by Bordeaux not met**
  - Need to determine balloted documents vs. supporting documents and prepare ballots
  - Now hoping to complete Charleston ISO